

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



10/532571



(43) International Publication Date
6 May 2004 (06.05.2004)

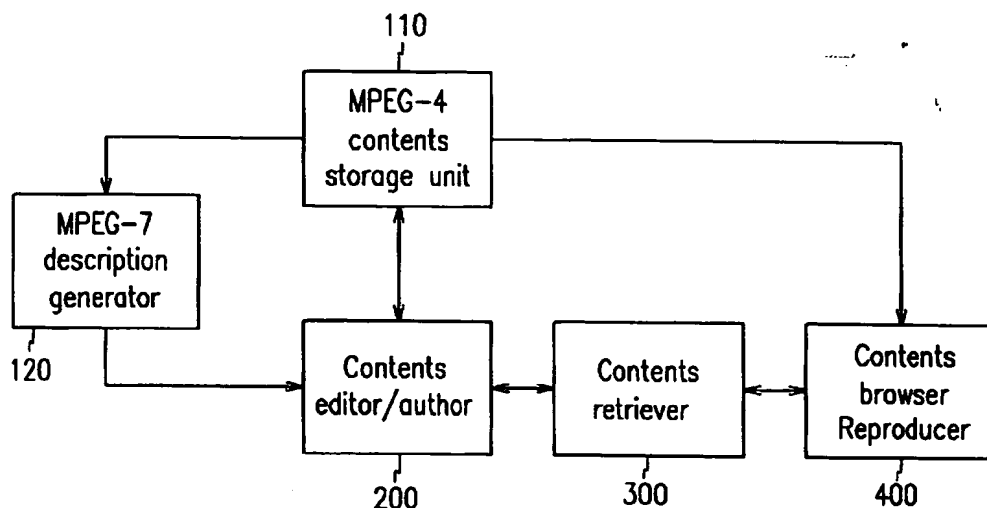
PCT

(10) International Publication Number
WO 2004/039054 A2

- (51) International Patent Classification⁷: **H04N** 305-727 Daejeon-city (KR). KIM, Jin-Woong [KR/KR]; Expo Apt. 305-1603, Jeonmin-dong, Yuseong-gu, 305-761 Daejeon-city (KR).
- (21) International Application Number: PCT/KR2003/002232
- (22) International Filing Date: 22 October 2003 (22.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 10-2002-0064413 22 October 2002 (22.10.2002) KR
- (71) Applicant (for all designated States except US): ELEC-TRONICS AND TELECOMMUNICATIONS RE-SEARCH INSTITUTE [KR/KR]; 161, Gajeong-dong, Yuseong-gu, 305-350 Daejeon (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): JOUNG, Ye-Sun [KR/KR]; No. 202, 365-11, Jeonmin-dong, Yuseong-gu, 305-810 Daejeon-city (KR). KIM, Kyu-Heon [KR/KR]; Saemmeori Apt. 201-904, Dunsan-dong, Seo-gu, 302-777 Daejeon-city (KR). KANG, Kyeong-Ok [KR/KR]; Sam-sung Pooreun Apt. 101-605, Jeonmin-dong, Yuseong-gu,
- (74) Agent: YOU ME PATENT AND LAW FIRM; Teheran Bldg., 825-33, Yoksam-dong, Kangnam-ku, 135-080 Seoul (KR).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: DEVICE AND METHOD FOR EDITING, AUTHORIZING, AND RETRIEVING OBJECT-BASED MPEG-4 CON-TENTS



(57) Abstract: In a device for editing and authoring object-based AV (audio and visual) contents using the MPEG-4 method, an object-based MPEG-4(moving picture experts group 4) contents editing and authoring device comprises: an extensible description generator for receiving either of an MPEG-4 textual format or internal data structure information of object-based MPEG-4 contents, and MPEG-7(moving picture experts group 7) descriptions of the MPEG-4 contents, and generating an XML (extensible markup language) based textual format file including the MPEG-7 descriptions; an extensible description/binary converter for receiving the XML based textual format file including the MPEG-7 descriptions generated by the extensible description generator, and generating them as a binary file; and an XML based contents storage unit for storing the XML based textual format file generated by the extensible description generator and the binary file generated by the extensible description/binary converter.

WO 2004/039054 A2



Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.